



PAINTING ROBOT

Epistolio robots are engineered and constructed using innovative materials and state of the art solutions, which makes our products among the most flexible and user-friendly machines in the market.

PROGRAMMING SYSTEMS

SELF-LEARNING: This system allows the operator to use the robot itself, which is very light and balanced, to easily go through the motions of painting. Simultaneously our controller records the movements and all related signals. Those are stored in a program which can be recalled at any time and executed automatically by the robot.

POINT TO POINT: Parts which are geometrically defined by regular surfaces bounded by segments, circles or curves, can be created by the painting program. Selecting appropriate points on the part and defining them through a simple software developed by Epistolio gets the job done easily.

AUTOMATIC SCANNING SYSTEMS: For those Customers which are looking for totally automatic solutions, Epistolio has developed vision systems using photocells, cameras and lasers which are able to define shape and dimension and automatically create painting programs.

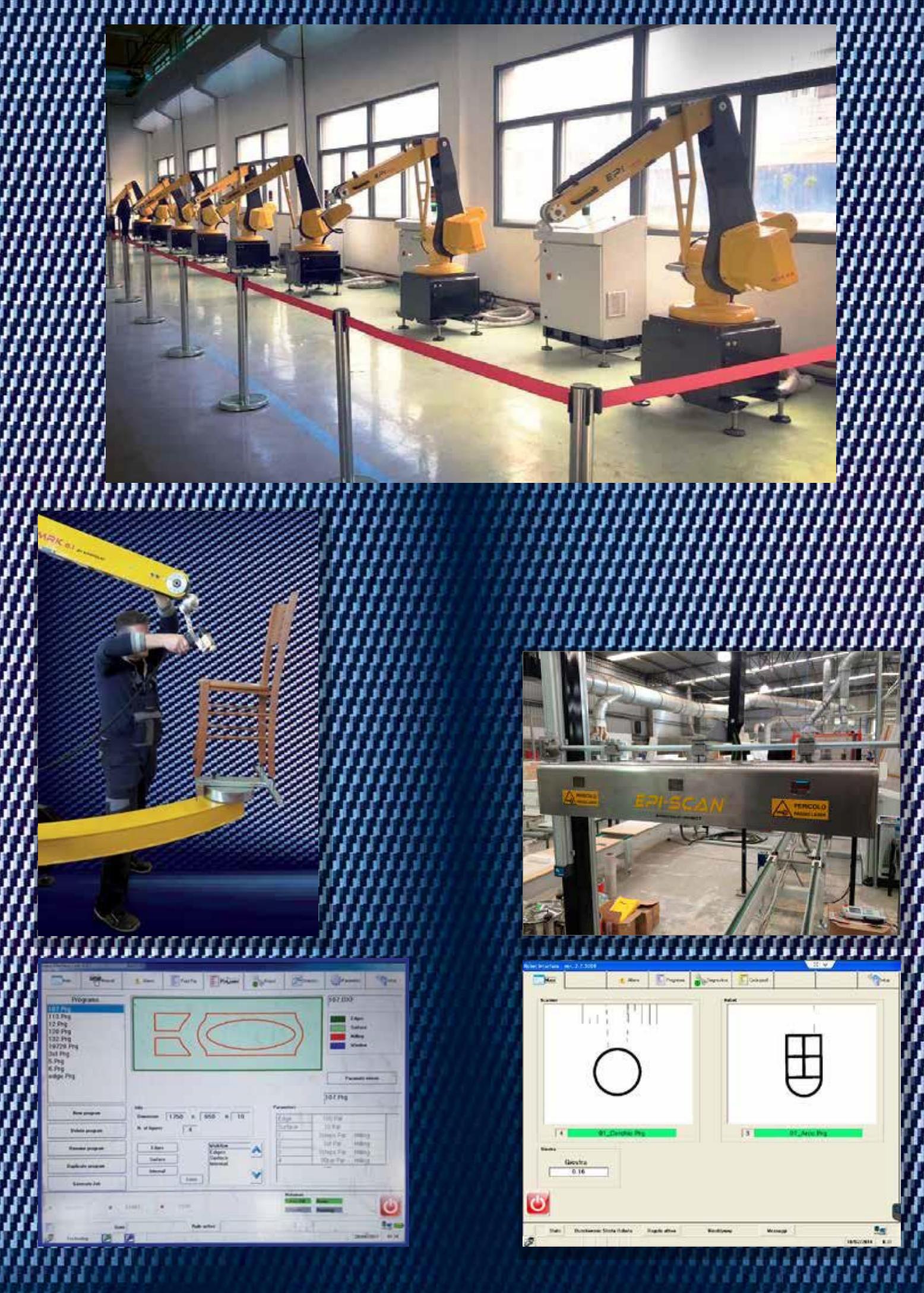
REMOTE SUPPORT: All Epistolio robots are equipped with software for remote technical support. Diagnostics modifications or updates can be made without the need of a visit by one of our technicians.

PRODUCTION MANAGEMENT SOFTWARE: Scheduling and monitoring software is available from Epistolio by request which can assist in the efficiency of the production line.

Control of the robot and/or the entire line can be managed via barcode or RFID systems and to offer detailed production reporting.

We can even control the function of color change and set paint parameters.

ATEX certification when requested.



ROBOT_MRK

MRK Robot

- Userfriendly programming
- Flexible
- Maximum availability



WINSIX Robot



MRK Robot

ROBOT_WINSIX

WINSIX Robot

- High qualitystandard
- Low maintenance
- Robust



Partner of
 YASKAWA

MULTIPLE PROGRAMMING SYSTEMS.

Our MRK robot can be programmed through self-learning, for a fast and easy painting of objects with complicated shapes, or through point to point, for a more accurate painting on geometrically simple pieces.

VARIOUS ROBOT CONFIGURATIONS. Each robot can be integrated with multiple devices which are engineered and produced by EPISTOLIO Srl. These devices include carousel systems, external conveyors and turntables.

DIFFERENT WORKING AREAS. The same robot model can be produced with different length arms in order to fit the space and/or dimensions of the pieces to be painted.

SUPERIOR MANEUVERABILITY. The robot arms are built with very light but strong materials and are pneumatically balanced in order achieve the highest levels of maneuverability during the programming stage.



WINSIX Robot

CUSTOMIZED SOFTWARE. Our multilingual robot management software has been developed by our company and it can be customized in order to best meet your requirements. A module is included for the production management including important statistics and data.

WOOD APPLICATIONS



Epiстolio can engineer robots for nearly every application.

Chairs
Window frames
Doors
Assembled furniture
Profiled panels
Edges of stacked panels
Musical instruments
Caskets
Any kind of wood components



We can supply the robot to fit any required presentation

Hanging conveyor
Carousel
Chain pulled carts
RF controlled carts
Stationary with turntable
Stationary
Any type of spray equipment

METAL APPLICATIONS

METAL

Painting applications for both liquid and powder in metal painting.

The typical painting line where our robots are installed are conveyorized. The pieces are hanging, and can be moving continuously or staged to stop in a given position.

The robot is able to replace a manual operator, ensuring high productivity and quality levels, or can operate as an integration with the reciprocators, retouching the parts which are not completely painted.



PLASTIC APPLICATIONS

PLASTIC

In the plastic sector Epistolio offers different types of solutions both for small, medium or large production levels.

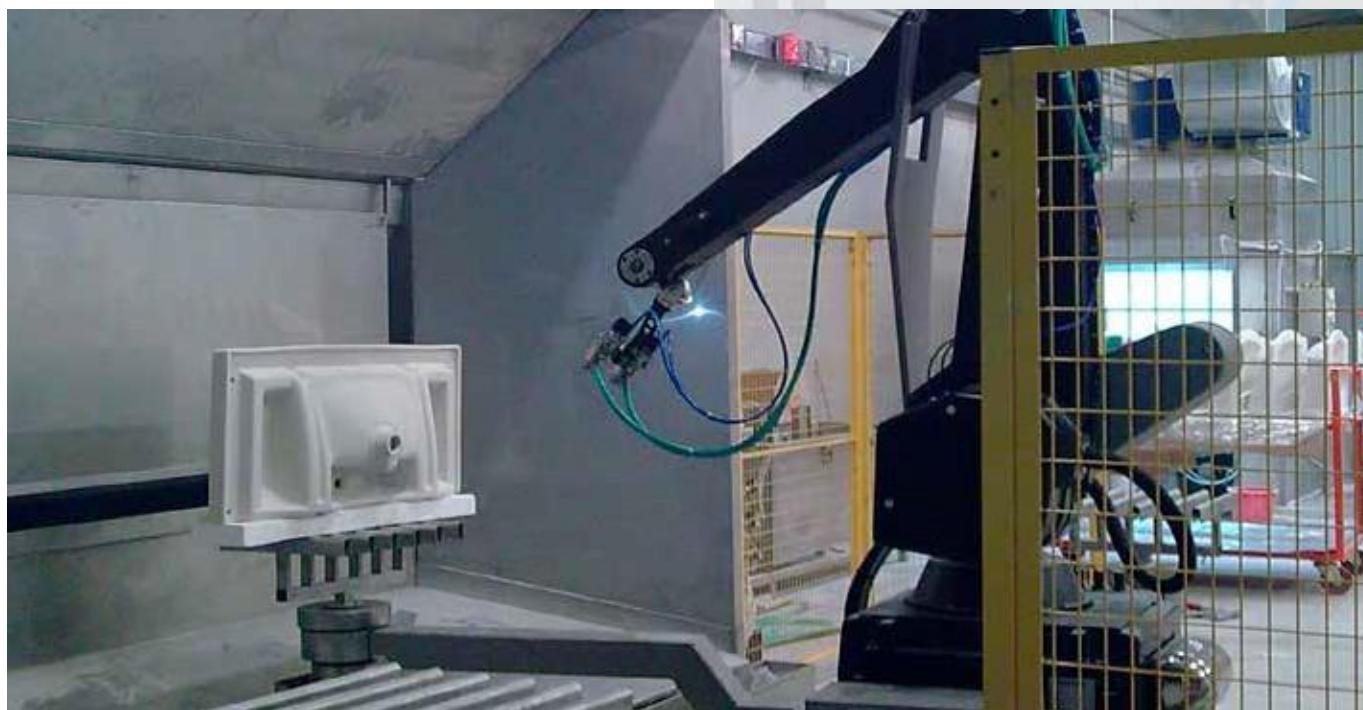
Our robot can be integrated with a rotating carousel, where the operator will load and unload the pieces or it can be equipped with a rotation device, which can be mounted in front of a reversing conveyor.

Epistolio is also the exclusive distributor of ROBO VELVET robotic systems for the flocking of three-dimensional pieces. In this sector we are able to supply robots for the surface treatment of the parts, the spraying of the adhesive and for the electrostatic flocking.



ROBO^{Velvet}[®]

CERAMIC AND COMPOSITE APPLICATION



ACCESSORIES

PROPORTIONAL VALVES

Set of valves, digitally controlled by the robot, which allows the modification and memorization of the spraying parameters. In this way, the operator can save different parameters depending on the type of surface to be sprayed. These values will be used by the robot during the automatic cycle phase.

COLOR CHANGE SYSTEM

This option allows the robot to automatically manage the spray gun washing and color/product change phases, according to the information relating to the parts to be sprayed.

ROTATING DEVICES

Devices for the automatic rotation of the pieces can be integrated both on aerial conveyors and on the ground. The rotation axis can be interpolated with the other axes of the machine, in order to avoid dead times and to be able to manage the position, the angle and the rotation speed.

NOZZLE CLEANING SYSTEM

It is important to keep the spray gun nozzle clean and free of any residue, ensuring a continuous and constant spraying process. A brush cleaning system is the best way to maintain the nozzle when painting.



EPISTOLIO Srl - Via Piemonte, 120 - 21100 Varese (VA) Italia
Tel: +39 0332 212692 - Fax: +39 0332 223666 - info@epistolio.com